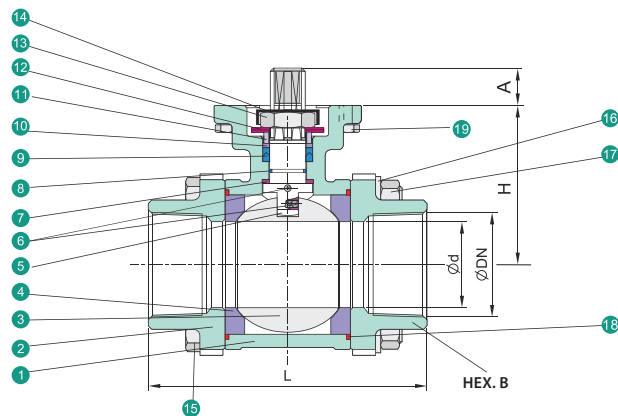
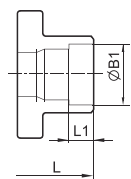
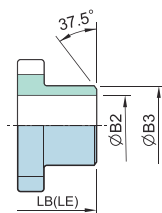


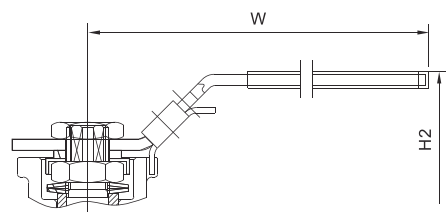
EXTRÉMITÉS EN FORME DE BRIDE  
PN10-40, F1



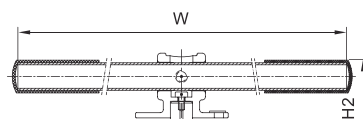
EMBOUTS À SOUDER



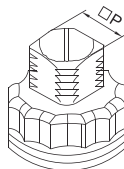
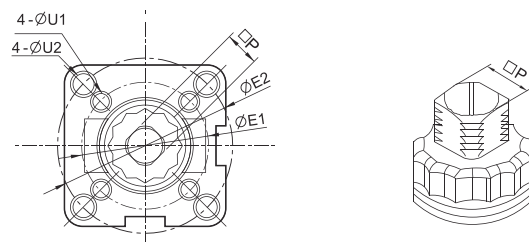
Embout à souder  
LE (EXTENDED BUTT WELD ENDS)



Diamètre: 1/4" - 3"



Diamètre: 4"



#### Caractéristiques / Features

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>F</b> • Design : Robinet à boisseau sphérique en 3 parties avec passage intégral</p> <ul style="list-style-type: none"> <li>• Surface de bride pour montage en surface ISO 5211</li> <li>• Dispositif antistatique pour corps d'arbre sphérique</li> <li>• Tige rotogé contre l'éjection</li> <li>• Ouverture d'équilibrage de pression dans la fente de la bille</li> <li>• TA-Luft (air) / ISO 15848-1</li> <li>• Type de construction : MSS SP-110</li> <li>• Épaisseur de paroi : EN 12516-3</li> <li>• Filetage du tube : DIN 2999 / 259, ISO 228 / 1, ISO 7/1, ASME B1.20.1, BS21</li> <li>• Extrémités à souder : ASME B16.25 (ØB2 Sch 40)</li> <li>• Raccord à bride : ASME B16.5 Class 150/300 / EN 1092-1 pour PN10-PN40</li> <li>• Manchons à souder : ASME B16.11</li> <li>• Inspection et contrôle : MSS SP-110</li> <li>• Plage de pression : 1000 WOG</li> <li>• SIL 3 selon IEC 61508:2010</li> <li>• ATEX : II 2G Ex h IIB T3 Gb / II 2D Ex h IIIC T180°C Db</li> </ul> | <p><b>E</b> • Design: 3 piece ball valve with full port</p> <ul style="list-style-type: none"> <li>• ISO 5211 direct mounting pad</li> <li>• Antistatic devices for ball-stem-body</li> <li>• Blow-out proof stem</li> <li>• Pressure balance hole in ball slot</li> <li>• TA-Luft / ISO 15848-1</li> <li>• Design: MSS SP-110</li> <li>• Wall thickness: EN 12516-3</li> <li>• Pipe thread: DIN 2999 / 259, ISO 228 / 1, ISO 7/1, ASME B1.20.1, BS21</li> <li>• Butt weld ends: ASME B16.25 (ØB2 Sch 40)</li> <li>• Flanged ends: ASME B16.5 for Class 150/300 / EN 1092-1 for PN10 - PN40</li> <li>• Socket weld ends: ASME B16.11</li> <li>• Inspection &amp; Testing: MSS SP-110</li> <li>• Pressure range: 1000 WOG</li> <li>• SIL 3 acc. IEC 61508:2010</li> <li>• ATEX: II 2G Ex h IIB T3 Gb / II 2D Ex h IIIC T180°C Db</li> </ul> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Matériaux/ Materials

| Nr. | Description/ Description                     | Matériel                 | Material     |
|-----|----------------------------------------------|--------------------------|--------------|
| 1   | Corps/ Body                                  | CF8M (1.4408)            | WCB (1.0619) |
| 2   | Embout / Cap (Filetage / Thread)             | CF8M (1.4408)            | WCB (1.0619) |
| 2   | Embout / Cap (Soudure/ Welding)              | CF3M (1.4409)            | WCB (1.0619) |
| 3   | Boisseau / Ball                              | AISI 316                 | AISI 304     |
| 4   | Joint de boisseau / Ball seat                | TFM1600 / PTFE / TFM4215 |              |
| 5   | Tige de commande / Stem                      | AISI 316                 | AISI 304     |
| 6   | Dispositif antistatique / Anti Static Device | AISI 316                 | AISI 304     |
| 7   | Anneau de sécurité / Thrust washer           | PTFE / TFM1600 / RTFE    |              |
| 8   | O-Anneau / O-Ring                            | FKM                      |              |
| 9   | Étanchéité de la Tige / Stem Packing         | PTFE                     |              |
| 10  | Étanchéité de la douille / Bushing           | 50% SS + 50% PTFE        |              |
| 11  | Presse-étoupe / Gland                        | AISI 316                 |              |
| 12  | Rondelle-ressort / Belleville Washer         | AISI 301                 |              |
| 13  | Écrou de la tige / Stem nut                  | A194-8                   |              |
| 14  | Freinage de la visserie / Stop-lock cap      | AISI 304                 |              |
| 15  | Boulon / Bolting                             | A193-B8 / A2-70          |              |
| 16  | Rondelle / Bolt washer                       | AISI 304                 |              |
| 17  | Écrou de vis/ Bolt nut                       | A194-8 / A2-70           |              |
| 18  | Joint d'étanchéité du boîtier/ Body gasket   | PTFE / TFM1600           |              |
| 19  | Vis à tête hexagonale / Hex bolting          | A2-70                    |              |

#### Dimensions / Dimensions [mm]

| Dimensions (mm) |      |     |     |     |     |       |     |     |    |     |    |    |    |    |     |     |     |    |   |   |    |      |       |       |              |                      |                     |                     |      |
|-----------------|------|-----|-----|-----|-----|-------|-----|-----|----|-----|----|----|----|----|-----|-----|-----|----|---|---|----|------|-------|-------|--------------|----------------------|---------------------|---------------------|------|
| Diamètre d      | L    | LB  | LE  | LF  | H   | H2    | W   | E1  | E2 | P   | U1 | U2 | A  | D  | C   | R   | T   | f  | N | h | L1 | B1   | B2    | B3    | Kv<br>[m³/h] | Poids<br>F-F<br>[kg] | Poids<br>BW<br>[kg] | Poids<br>SW<br>[kg] |      |
| 1/4             | 10,6 | 75  | 70  | 225 | -   | 42    | 72  | 147 | 36 | 42  | 9  | 6  | 6  | 9  | -   | -   | -   | -  | - | - | 10 | 14,2 | 9,3   | 18    | 13,84        | 0,64                 | 0,64                | 0,65                |      |
| 3/8             | 12,7 | 75  | 70  | 225 | -   | 42    | 72  | 147 | 36 | 42  | 9  | 6  | 6  | 9  | -   | -   | -   | -  | - | - | 10 | 17,8 | 12,5  | 18    | 19,9         | 0,65                 | 0,61                | 0,61                |      |
| 1/2             | 15   | 75  | 75  | 225 | 130 | 42    | 72  | 147 | 36 | 42  | 9  | 6  | 6  | 9  | 95  | 65  | 45  | 16 | 2 | 4 | 14 | 10   | 21,8  | 15,8  | 22           | 25,95                | 0,68                | 0,63                | 0,67 |
| 3/4             | 20   | 80  | 90  | 225 | 150 | 48,5  | 79  | 147 | 36 | 50  | 9  | 6  | 7  | 9  | 105 | 75  | 58  | 18 | 2 | 4 | 14 | 13   | 27,3  | 20,9  | 28           | 47,58                | 0,95                | 0,91                | 0,95 |
| 1               | 25   | 90  | 100 | 245 | 160 | 58,5  | 89  | 177 | 42 | 50  | 11 | 6  | 7  | 11 | 115 | 85  | 68  | 18 | 2 | 4 | 14 | 13   | 34    | 26,7  | 34           | 83,04                | 1,40                | 1,35                | 1,33 |
| 1 1/4           | 32   | 110 | 110 | 255 | 180 | 63    | 93  | 177 | 42 | 70  | 11 | 6  | 9  | 11 | 140 | 100 | 78  | 18 | 2 | 4 | 18 | 16   | 42,8  | 35,1  | 43           | 147,05               | 2,21                | 2,08                | 2,04 |
| 1 1/2           | 38   | 120 | 125 | 260 | 200 | 71,3  | 103 | 197 | 50 | 70  | 14 | 7  | 9  | 14 | 150 | 110 | 88  | 18 | 3 | 4 | 18 | 16   | 48,9  | 40,9  | 50           | 233,55               | 2,99                | 2,97                | 2,80 |
| 2               | 50   | 140 | 150 | 275 | 230 | 78,2  | 110 | 197 | 50 | 70  | 14 | 7  | 9  | 14 | 165 | 125 | 102 | 20 | 3 | 4 | 18 | 17   | 61,4  | 52,5  | 61           | 406,55               | 4,5                 | 4,30                | 4,30 |
| 2 1/2           | 63,5 | 185 | 190 | 330 | 290 | 100   | 150 | 267 | 70 | 102 | 17 | 9  | 11 | 17 | 185 | 145 | 122 | 22 | 3 | 8 | 18 | 17   | 74    | 62,7  | 76           | 674,7                | 8,40                | 8,50                | 8,30 |
| 3               | 76   | 205 | 220 | 356 | 310 | 108,5 | 159 | 267 | 70 | 102 | 17 | 9  | 11 | 17 | 200 | 160 | 138 | 24 | 3 | 8 | 18 | 17   | 90    | 78    | 92           | 994,75               | 12,3                | 12,3                | 12,3 |
| 4               | 100  | 240 | 270 | 432 | 350 | 140   | 212 | 400 | -  | 102 | 22 | -  | 11 | 22 | 235 | 190 | 162 | 24 | 3 | 8 | 22 | 20   | 115,5 | 102,4 | 115          | 1816,5               | 23,7                | 23,4                | 23,0 |